S/N: 08/655,853

No new matter is added, since support for the added language to these paragraphs is clearly found in Figures 1 and 2. In particular, the figures clearly illustrate that the lower platen 14 may be comprised of a plurality of elongated quench tubes 32 which are substantially parallel to each other. Moreover, it is clear from Figures 2 and 3 that the drive shafts 28, 38 for each of the lower platen 14 and upper platen 18 extend between and are supported by the elongated quench tubes, and are oriented substantially perpendicular to the tubes. Finally, Figures 1-3 clearly indicate that the orientation of the deformable drive shafts 28, 38 and the drive wheels 30, 40 mounted thereon will cause the lower and upper platens to be deformable to bend the heated glass sheet about a direction parallel to the elongated direction of the quench tubes. For these reasons, applicants' respectfully request entry of these proposed amendments to the specification.

Each of claims 27 and 30 along with the supporting disclosure is provided below.

27. (New) An apparatus for uniformly tempering a glass sheet comprising:

a glass bending and tempering apparatus Col. 4, ll. 30-31.

opposed lower and upper platens

The bending and tempering apparatus includes a support that mounts the opposed bending platens at upper and lower locations with respect to each other *Col. 3, Il. 9-12; Col. 5, Il. 23-25*.

each of which includes elongated quench tubes which are substantially parallel to each other and have quench openings A plurality of elongated [Q]quench tubes which are substantially parallel to each other define the quench openings of the lower platen.

Col. 3, ll. 32-33; Figs. 1-3.

elongated, substantially parallel quench tubes define the quench openings of the upper platen

Col. 3, ll. 38-39; Figs. 1-3.

the lower platen having deformable drive shafts which extend between the elongated The lower platen includes deformable drive shafts, drive wheels mounted on the

S/N: 08/655,853

quench tubes thereof and are oriented to be substantially perpendicular to those quench tubes and which are rotatably supported by those quench tubes, and

the lower platen also having drive wheels supported on the deformable drive shafts thereof at spaced locations to engage and move the glass sheet

an actuator connected to the lower platen for moving the quench tubes of the lower and upper platens as a glass sheet is bent about a direction parallel to the elongated direction of the quench tubes to generally conform the tubes to the shape of the bent glass sheet; drive shafts to engage the heated glass sheet and provide movement thereof during platen deformation that provides the bending. A plurality of elongated [Q]quench tubes which are substantially parallel to each other define the quench openings of the lower platen. The drive shafts extend between the elongated quench tubes, are oriented to be substantially perpendicular to those quench tubes

Col. 3, ll. 28-35.; Figs. 1-3.

The lower platen 22 is deformable and has a connection to actuator 16 so as to deform the lower platen from the planar shape to the bent shape. The upper platen 22 is initially conformingly deformable to the shape of the lower platen 14 as the heated glass sheet 12 is moved with the lower platen and bent between the platens about a direction parallel to the elongated direction of the quench tubes.

Col. 5, Il. 26-30; Figs 1-4.

and means to supply quenching gas through the quench tubes to uniformly temper a glass sheet therebetween. Quenching gas is supplied to the quench openings of both platens 14,22 and thereby to both sides of glass sheet 12 to temper the bent glass sheet between the platens.

Col. 5, ll. 10-13.

30. (New) <u>A glass sheet bending</u> and tempering apparatus comprising:

<u>lower and upper opposed deformable</u> <u>platens</u> a glass bending and tempering apparatus *Col.* 4, *ll.* 30-31.

The bending and tempering apparatus includes a support that mounts the opposed bending platens at upper and lower locations with respect to each other

Col. 3, ll. 9-12; Col. 5, ll. 23-25.

S/N: 08/655,853

each of which includes elongated quench tubes which are substantially parallel to each other and have quench openings;

the lower platen having deformable drive shafts which extend between the elongated quench tubes thereof and are oriented to be substantially perpendicular to those quench tubes and which are rotatably supported by those quench tubes, and the lower platen also having drive wheels supported on the deformable drive shafts thereof at spaced locations to engage and move the glass sheet to be bent;

the upper platen having idler shafts mounted on the elongated quench tubes thereof and also having idler wheels mounted by the idler shafts at spaced locations to engage the glass sheet to be bent;

actuating means for causing deformation of the lower platen with the upper platen being conformably deformable to the shape of the lower platen as the lower platen is bent about a direction parallel to the elongated direction of the quench tubes from a flat shape to a bent shape with the glass sheet disposed between the platens as the quench openings of the elongated quench tubes and

A plurality of elongated [Q]quench tubes which are substantially parallel to each other define the quench openings of the lower platen.

Col. 3, ll. 32-33; Figs. 1-3.

elongated, substantially parallel quench tubes define the quench openings of the upper platen

Col. 3, Il. 38-39; Figs. 1-3.

The lower platen includes deformable drive shafts, drive wheels mounted on the drive shafts to engage the heated glass sheet and provide movement thereof during platen deformation that provides the bending. A plurality of elongated [Q]quench tubes which are substantially parallel to each other define the quench openings of the lower platen. The drive shafts extend between the elongated quench tubes, are oriented to be substantially perpendicular to those quench tubes.

Col. 3, ll. 28-35.; Figs. 1-3.

the upper platen 22 includes idler shafts 38 and idler wheels 40 mounted on the idler shafts to engage the heated glass sheet 12 and to rotate with movement of the glass sheet. As with the lower platen 14, quench tubes 32 define the quench openings 18 of the upper platen 22 and rotatably support the idler shafts 38.

Col. 5, ll. 54-60.

The lower platen 22 is deformable and has a connection to actuator 16 so as to deform the lower platen from the planar shape to the bent shape. The upper platen 22 is initially conformingly deformable to the shape of the lower platen 14 as the heated glass sheet 12 is moved with the lower platen and bent between the platens about a direction parallel to the elongated direction of the quench tubes. Both of the platens 14,22

S/N: 08/655,853

subsequently conform to the shape of template 24 as the lower platen 14 is moved toward the template and the glass sheet is bent to its final bent shape. Both of the platens 14,22 include quench openings 18 that move with the platens during the deformation of the platens and subsequently supply quenching gas to temper the bent glass sheet.

Col. 5, Il. 26-38; Figs. 2-3.

the wheels are moved with the platens as the wheels engage and bend the glass sheet: the upper platen 22 includes idler shafts 38 and idler wheels 40 mounted on the idler shafts to engage the heated glass sheet 12 and to rotate with movement of the glass sheet. As with the lower platen 14, quench tubes 32 define the quench openings 18 of the upper platen 22 and rotatably support the idler shafts 38.

Col. 5, ll. 54-60.

means to supply quenching gas to the quench openings of both platens after bending has finished to thereby temper the bent glass sheet between the platens;

Quenching gas is supplied to the quench openings of both platens 14,22 and thereby to both sides of glass sheet 12 to temper the bent glass sheet between the platens. *Col.* 5, *ll.* 10-13.

and drive means for reversibly driving the drive wheels to move the glass sheets during the bending and tempering of the glass sheet.

A control 34 and reversible drive electric motors 36 drive drive wheels 30 to index the glass sheet 12 into the glass bending and tempering apparatus, oscillate the glass sheet during the bending and tempering *Col. 5, ll. 47-51.*

As noted, support for the above amendments is also provided by the figures, particularly Figures 1, 2 and 3, as well as elsewhere throughout the description.

Claims 27 and 30 were rejected under 35 U.S.C. § 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventors, at the time the application was filed, has possession of the claimed invention. Claim 27, as amended in the parent application, and claim 30 as amended herein, are clearly supported by the written

S/N: 08/655,853

description as amended, as well as by Figures 1-3 as originally filed. Thus, both the written description and the Figures provide antecedent basis for claim 27 and amended claim 30. As such, these claims are believed to satisfy the requisites of Section 112.

In light of the foregoing, as well as for the reasons set forth in applicants' prior amendments in this and the parent reissue cases, reconsideration and allowance of claims 27 and 30 is requested.

The Examiner is urged to contact the undersigned attorney by telephone to discuss any matters pertaining to this reissue application if he believes it will be useful in expediting this application.

Respectfully submitted,

HAROLD A. McMASTER ET AL.

Earl J. LaFontaine

Reg. No. 30,766

Attorney/Agent for Applicant

Date: August 14, 2000

BROOKS & KUSHMAN P.C.

1000 Town Center, 22nd Floor

Southfield, MI 48075

Phone: 248-358-4400 Fax: 248-358-3351